PATENT ABSTRACTS OF JAPAN

(11)Publication number:

63-079716

(43)Date of publication of application: 09.04.1988

51)Int.Cl.

CO18 33/00

21)Application number: 61-224359

(71)Applicant: TOYOTA MOTOR CORP

22)Date of filing .

22.09.1986

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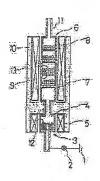
TAKADA KAZUAKI **OGAWA MASAHIRO**

54) PRODUCTION OF SILICON SULFIDE

57) Abstract:

PURPOSE: To mass-produce silicon sulfide at low cost by feeding rapoized sulful to a reactor together with a carrier gas and allowing the raporized sulfur to contact and react with heated silicon powder and orming the silicon sulfide.

CONSTITUTION: The silicon powder 13 is contained on multi-stage liaphragms 9 having small holes which is arranged in a reaction container 7 of a silicon sulfide synthesizing device 6 and is heated to the eaction temp, of 800W1,200° C by a heater 8. The powdery sulfur 12 is contained in a vaporization container 4 of a sulfur vaporizing device 3. and the sulfur vapor is generated by heating with a heater 5, then the ormed vaporized sulfur is introduced into the reaction container 7 ogether with the carrier gas fed from the carrier gas device 1. Then the illicon sulfide is formed by subjecting the vapoized sulfur to react with he silicon on the surface of the heated silicon powder 13. At the same ime, the formed silicon sulfide is sublimated, vaporized and taken from a vnthesized gas outlet 11.



EGAL STATUS

Date of request for examination

Date of sending the examiner's decision of rejection]

Kind of final disposal of application other than the xaminer's decision of rejection or application onverted registration?

Date of final disposal for application]

Patent number]

Date of registration?

Number of appeal against examiner's decision of ejection]

Date of requesting appeal against examiner's decision f rejection]

Date of extinction of right]